

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Original) An integrated process for preparing iso-olefins from syngas, the process comprising:
 - (a) subjecting syngas to low temperature Fischer-Tropsch reaction conditions in the presence of a Fischer-Tropsch catalyst to form a hydrocarbon product stream comprising substantially waxy products;
 - (b) isolating the waxy products from the hydrocarbon product stream;
 - (c) subjecting the waxy products to an olefin-selective paraffin cracking process to form C₃₋₅ olefins; and
 - (d) oligomerizing the C₃₋₅ olefins to form a hydrocarbon product comprising iso-olefins.
2. (Original) The process of claim 1, wherein the olefin-selective paraffin cracking process comprising contacting the waxy products with an intermediate pore size siliceous crystalline molecular sieve having a silica:alumina mole ratio from about 25:1 to about 500:1.
3. (Original) The process of claim 2, wherein the Fischer Tropsch catalyst comprises a catalyst which provides high chain growth probabilities.
4. (Original) The process of claim 3 wherein the catalyst comprises cobalt.
5. (Currently amended) The process of claim 1, wherein the hydrocarbon product stream comprises less than 10 weight% methane.
6. (Currently amended) The process of claim 1, wherein the hydrocarbon product stream comprises less than 5 weight% methane.

7. (Currently amended) The process of claim 1, wherein the hydrocarbon product stream comprises less than 2 weight% methane.
8. (Original) The process of claim 1, further comprising the steps of: isolating a C₃₋₅ olefins fraction from the hydrocarbon product stream; blending the C₃₋₅ olefins fraction with the C₃₋₅ olefins of step (c) to form a blended C₃₋₅ olefins; and oligomerizing the blended C₃₋₅ olefins to form iso-olefins.
9. (Original) The process of claim 1, further comprising hydrogenating at least a portion of the iso-olefins of step (d) to form isoparaffins.
10. (Original) The process of claim 1, further comprising the step of distilling the hydrocarbon product of step (d) to provide distillate-boiling iso-olefins.
- 11-34. (Canceled)